



Rossum integration with SAP S/4HANA Cloud Private Edition

Rossum's AI intelligent document processing integration for S/4HANA private cloud provides a powerful and secure solution for end-to-end document automation, extending your ERP's capabilities by handling complex, multi-format documents across accounts payable, order management, and logistics.

The integration ensures clean, structured data flows directly into SAP through flexible middleware connectivity, eliminating manual data entry. Built to minimize the risks inherent in API connections, the solution ensures reliable data exchange, validation, and synchronization for organizations requiring the high levels of control and customization found in private cloud environments.

SAP partnership

Rossum is an **official SAP Partner** and has developed tried-and-tested integrations that connect with SAP's ERP products to enable a seamless communication flow.

This partnership guarantees:

- Adherence to SAP's high standards and best practices for reliable integration.
- Access to end-to-end support provided by in-house SAP experts and vetted partners.
- Future-proof interoperability, allowing your organization to scale document automation as your SAP environment evolves.

Key benefits

1. Automated multi-use case document handling:

Rossum's AI automatically ingests and extracts data for accounts payable (invoices), order management (sales orders), and logistics (packing lists/bills of lading), and more.

2. Higher data accuracy and fewer exceptions:

By matching extracted data against SAP master data, Rossum prevents errors, duplicates, and fraudulent submissions.

3. Global scale and language support:

AI-powered capture works without templates across 276+ languages and handles complex line items efficiently.

4. Clean Core strategy:

All document-specific customizations and AI training live in Rossum, requiring no custom ABAP code on the SAP stack.

5. Full visibility and traceability:

Original document PDFs are attached to the SAP record, providing complete transparency for audit and compliance.

Side-by-side integration and Clean Core

Rossum follows a side-by-side integration philosophy, ensuring you can support extensibility without compromising the stability of your core SAP environment.

- **Clean Core architecture:** All document-specific logic, customizations, and AI training live within Rossum, ensuring no custom ABAP or modifications reside on your SAP stack.
- **Zero-footprint extensibility:** By sitting outside the core, Rossum aligns with SAP's modern architectural standards, allowing you to innovate while keeping your S/4HANA instance pristine.
- **Middleware connectivity:** Rossum communicates via a dedicated integration layer or middleware, transforming validated data into SAP-compatible payloads for seamless record creation.

This side-by-side mode reduces technical debt, simplifies maintenance, and ensures that clean, structured data and original PDF attachments are delivered to SAP for complete traceability.

Supported file formats

Rossum ingests the following file formats:

PDF

PNG

JPEG

TIFF

XLSX

XLS

DOCX

XML

JSON

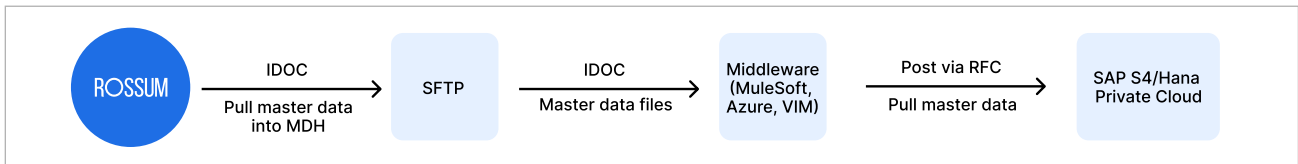
CSV

SAP S/4HANA private cloud integration architecture

Rossum's integration with SAP S/4HANA private cloud supports both API-driven middleware and standard file-based exchange.

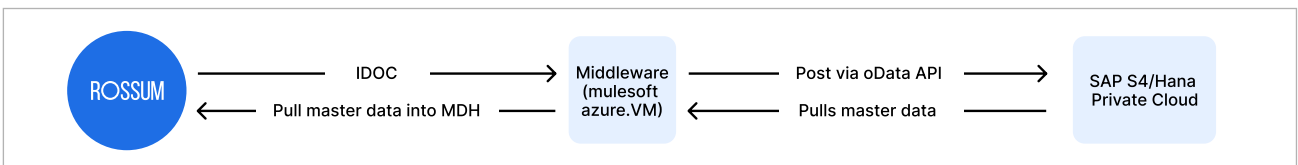
SFTP-based integration

Rossum supports SAP SFTP flat-file integration. This option enables batch-based data exchange where SFTP pipelines are already established, ensuring compatibility with existing SFTP configurations.



API middleware integration

Rossum supports API-driven middleware integration through platforms (SAP BTP Integration Suite, MuleSoft, Azure, VIM, etc.) This option enables real-time, bidirectional data exchange, allowing Rossum to push validated data directly into SAP S/4HANA private cloud while respecting existing business logic and security protocols.



Integration components

Rossum's SAP S/4HANA private cloud integration consists of two core components designed to handle any document-heavy process:

Export validated documents to SAP

This service transforms annotated data into SAP API payloads, sending documents to SAP S/4HANA private cloud and attaching original documents for full traceability.

Rossum exports:

- **Direct posting:** Automated creation of final records in SAP (e.g., invoices, sales orders) driving true straight-through processing.
- **Parked/draft documents:** The flexibility to export documents as "parked" or "draft" when additional internal SAP-based validation or workflow approval is required.
- **Attachments:** Original documents are automatically linked to the SAP record for comprehensive reference and auditing.

Master Data Hub

Scheduled imports efficiently synchronize master data from SAP S/4HANA private cloud and store it securely in Rossum on a scheduled basis for fast data validation in the received documents. Our advanced matching algorithms leverage this data to achieve industry-leading accuracy in PO, vendor, and line item matching, catching discrepancies before they ever reach your ERP.

Example master data lists:

- Vendor and customer details for matching.
- Purchase orders and inventory data for matching.
- GL & cost center codes for financial categorization.
- Tax codes for correct tax calculations.

Security & compliance



Rossum is built for enterprise-grade security and compliance: ISO 27001, ISO/IEC 42001:2023, GDPR, CCPA, and TX-RAMP compliant and completed SOC 2 Type II. Rossum follows security standards for integration with SAP and undergoes regular audits.

See Rossum in action

Schedule a consultation to explore how Rossum powers intelligent document automation for SAP.

Talk to an Expert



www.rossum.ai